



Product Information Sheet

C506 Czapek-Dox Agar

Properties

| | |
|---------------------------------|---|
| Form: | Powder |
| Appearance: | Off-White to Tan |
| Application: | Microbiology |
| Solubility: | Partially Soluble in Water |
| Typical Working Concentration: | 50.01 g/L |
| Storage Temp: | 2-6 °C |
| Storage Temp of Stock Solution: | Stock solutions not recommended as precipitates may form. |

Formula (mg/L)

| | | | |
|------------------------------|-------|---|-------|
| Agar | 15000 | Potassium Phosphate, Dibasic, Anhydrous | 1000 |
| Ferrous Sulfate | 10 | Sodium Nitrate | 3000 |
| Magnesium Sulfate, Anhydrous | 500 | Sucrose | 30000 |
| Potassium Chloride | 500 | | |

Application Notes

Czapek-Dox medium is a semi-synthetic medium used for the cultivation of fungi. This medium is prepared according to the formula developed by Thom and Church. Czapek-Dox Medium is the modification of the original medium of Czapek-Dox as per Thom and Raper (1945)

Sucrose serves as the only source of carbon while sodium nitrate serves as the sole source of nitrogen. Dipotassium phosphate buffers the medium. Magnesium sulphate, potassium chloride, and ferrous sulphate are included as essential ions necessary for growth.

References

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